



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Edward D. Goff; Seth A.  
Lieffort; Leroy Stolberg  
Serial No.: 10/784,124  
Filed: February 20, 2004 Customer No.: 32692  
Examiner: Unknown  
Group Art Unit: Unknown  
Docket No.: 59596US002  
(1004-102US01)  
Title: MULTI-LOOP ANTENNA FOR RADIO FREQUENCY IDENTIFICATION  
(RFID) COMMUNICATION

CERTIFICATE UNDER 37 CFR 1.8: I hereby certify that this correspondence is being deposited with the United States Post Service, as First Class Mail, in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on

April 29, 2004

By:

Beth M. Lindblom

Name: Beth M. Lindblom

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Alexandria, VA 22313-1450

Dear Sir:

Applicant submits the references listed on the attached form PTO-1449. This statement is being filed within three months of the filing date of the application.

Applicants have enclosed a copy of each article cited and each foreign document cited. Copies of the U.S. patents are not enclosed as this application was filed after June 30, 2003.

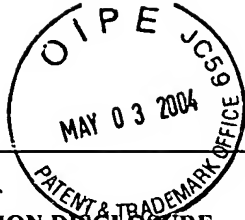
Respectfully submitted,

Date:

April 29, 2004

Shumaker & Sieffert, P.A.  
8425 Seasons Parkway, Suite 105  
St. Paul, Minnesota 55125  
Phone: (651) 735-1100  
Fax: (651) 735-1102

Kent J. Sieffert  
By: Kent J. Sieffert  
Reg. No.: 41,312



|  |  |  |                        |                                       |           |
|--|--|--|------------------------|---------------------------------------|-----------|
| <b>Form 1449*</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT</b><br><br><b>IN AN APPLICATION</b><br><br>(Use several sheets if necessary)  |  | Docket Number:<br>59596US002 (1004-102US01)                    |                        | Application Number:<br>10/784,124     |           |
|  |  | Applicant:<br>Edward D. Goff; Seth A. Lieffort; Leroy Stolberg |                        |                                       |           |
|  |  | Filing Date:<br>February 20, 2004                              |                        | Group Art Unit:<br>Unknown            |           |
|  |  | Examiner Name:<br>Unknown                                      |                        |                                       |           |
| <b>U.S. PATENT DOCUMENTS</b>   |  |  |                        |                                       |           |
| <b>Examiner<br/>Initial</b>  | <b>Document Number</b>   | <b>Issue/Document<br/>Publication Date</b>                     | <b>Name</b>            | <b>Filing Date If<br/>Appropriate</b> |           |
|  | 4,260,990  | 04/07/1981   | Lichtblau              |                                       |           |
|  | 5,142,292  | 08/25/1992   | Chang                  |                                       |           |
|  | 5,940,043  | 08/17/1999   | Canipe et al.          |                                       |           |
|  | 5,977,875  | 11/02/1999   | Lin et al.             |                                       |           |
|  | 6,043,792  | 03/28/2000   | Finlayson              |                                       |           |
|  | 2002/0180588 A1  | 12/05/2002   | Erickson et al.        |                                       |           |
|  | 2002/0196126 A1  | 12/26/2002   | Eisenberg et al.       |                                       |           |
| <b>FOREIGN PATENT DOCUMENTS</b>  |  |  |                        |                                       |           |
| <b>Examiner<br/>Initial</b>  | <b>Document Number</b>   | <b>Publication<br/>Date</b>                                    | <b>Country</b>         | <b>Translation</b>                    |           |
|  |  |  |                        | <b>Yes</b>                            | <b>No</b> |
|  | 98/05088   | 02/05/1998   | PCT                    |                                       |           |
|  | 98/31070   | 07/16/1998   | PCT                    |                                       |           |
|  | 0 829 921 B1   | 06/06/2001   | EPO                    |                                       |           |
| <b>OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)</b>   |  |  |                        |                                       |           |
|  | Carr, Joseph J., "Practical Antenna Handbook," 3 <sup>rd</sup> Edition, pgs. 291-297 and 307-309, 1998.  |  |                        |                                       |           |
|  | The ARRL Handbook for Radio Amateurs – The Standard in Applied Electronics and Communications, 2001, pgs. 20.36 – 20.39 and 20.68 – 20.69, 2000. |  |                        |                                       |           |
|  | "Field-Shaping Shielding For Radio Frequency Identification (RFID) System", filed February 20, 2004, Serial Number 10/784,109.                   |  |                        |                                       |           |
|  | "Multi-Loop Antenna For Radio-Frequency Identification", filed March 3, 2003, Serial Number 10/378,458.  |  |                        |                                       |           |
| <b>EXAMINER</b>  |  |  | <b>Date Considered</b> |                                       |           |
| <small>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small> |  |  |                        |                                       |           |